

BRIEF RESUME

ARIF AHMAD
(Ph.D. Zoology)

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Present Position

Senior Assistant Professor (Zoology)

School of Sciences (Zoology)
Maulana Azad National Urdu University (A Central University)
Hyderabad, Telangana State

Academic Qualifications

2012-15	PDF (Young Scientist)	AMU, Aligarh
2004-08	Ph.D. (Biosciences)	JMI, New Delhi.
2001-03	M.Sc. (Zoology)	AMU, Aligarh
1998-01	B.Sc. (Hons.) Zoology	AMU, Aligarh

Fellowships

2012-15	Young Scientist (DST)
2006-08	CSIR (NET) SRF
2004-06	CSIR/UGC (NET) JRF
2004	GATE (90.2 percentile)
2001	Postgraduate Merit Scholarship

Teaching Experience

2010-22:	Twelve years of teaching experience
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Research Experience

2004-22:	Seventeen years including JRF, SRF and (PDF) Young Scientist and Assistant Professor
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Important Publications

1. **Fertility and Sterility** (Impact Factor **4.15**)
2. **Translational Oncology** (Impact Factor **3.46**)
3. **Journal of Cellular Biochemistry** (Impact Factor **3.44**)
4. **Cancer Biomarker** (Impact Factor: **2.85**)
5. **Book Chapter:** Oxford: Academic Press

DNA Sequences Submitted At Gene bank (NCBI)

- * **FHIT gene:** Human diadenosine triphosphate (Ap3A) hydrolase, exon 5: Accession Nos. **DQ865131-34.**
- * **Mitochondrial Cytochrome b gene** sequences of some fishes: Accession Nos. **KU245349-56.**
- * **Cytochrome Oxidase Subunit I (COI) gene:** Bar Coding Sequences of some fish species. Accession Nos. **KX389274-81.**

ARIF AHMAD (Ph.D.)

PRESENT POSITION:

Senior Assistant Professor
School of Sciences (Zoology)
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Academic Qualifications:

- 2012-15 **Young Scientist:** on SERB-DST, funded Project entitled “*Genetic characterization of threatened catfishes (Wallago attu and Mystus seenghala) using RAPD markers*” executed in the department of Zoology, AMU Aligarh.
- 2004-08 **Ph.D. (Biosciences):** on the thesis topic: “*Molecular studies of p16 gene in Indian cervical cancer patients*” under the supervision of Prof. Syed Akhtar Husain from Department of Biosciences, Jamia Millia Islamia, New Delhi.
- 2001-03 **M.Sc. (Zoology):** Aligarh Muslim University, 73.4%
- 1998-01 **B.Sc. (Hons)-Zoology:** Aligarh Muslim University, 66.4%
- 1997 **Class XII:** Senior Secondary School, AMU Aligarh, 60.2%
- 1995 **Class X:** ST High School, AMU, Aligarh, 74.6%

Fellowships:

- 2012-15 Young Scientist (DST)
- 2011-12 Research Assistant (CCRUM)
- 2006-08 CSIR (NET) SRF
- 2004-06 CSIR/UGC (NET) JRF
- 2004 GATE (90.2 percentile)
- 2002 CSIR/UGC (NET) LS
- 2001 Postgraduate Merit Scholarship

Teaching Experience:

- 2019- Now **Senior Assistant Professor:** School of Sciences (Zoology) Maulana Azad National Urdu University, Hyderabad, Telangana.
- 2015-19 **Assistant Professor:** Department of Zoology, School of Sciences, Maulana Azad National Urdu University, Hyderabad, Telangana.

- 2011-14 **Pdf Faculty:** Department of Zoology, AMU Aligarh.
2013 **PGT (Zoology):** Senior Secondary School, AMU Aligarh.
2010-11 **Guest Faculty:** Department of Zoology, AMU Aligarh.

Research Experience:

- 2015- till now **Assistant Professor** in School of Sciences (Zoology), Maulana Azad National Urdu University, Hyderabad, Telengana.
2012-15 **Young Scientist (DST-SERB)** in the department of Zoology, AMU Aligarh
2009-12 **Post-doctoral Fellow** in the laboratory of Prof. Iqbal Parwez, department of Zoology, Aligarh Muslim University.
2006-08 **Senior Research Fellow (SRF)** of CSIR in department of Biosciences, Jamia Millia Islamia, New Delhi, India and Institute of Cytology and Preventive Oncology, Sector 39 Noida, India.
2004-06 **Junior Research Fellow (JRF)** of CSIR in department of Biosciences, Jamia Millia Islamia, New Delhi, India and Institute of Cytology and Preventive Oncology, Sector 39 Noida, India.

Research Interest:

* **Molecular Mechanism of HPV induced Cervical Cancer:**

Our research group in collaboration with other institutes and hospitals is working on the molecular mechanism of HPV-induced cervical carcinogenesis. The focal area of interest is to determine the correlation of HPV viral load with the expression of some of the host tumor suppressors and viral oncoproteins. We are also trying to establish the correlation of epigenetic modification of the viral genome with the expression of some of the host genes. Our research aims to develop molecular biomarkers for the early diagnosis of cervical cancer.

* **Pharmacological effect Medicinal Plants extract on Hepatocellular carcinoma in the animal model.**

Our other research group is working on determining the Pharmacological effects of some of the Medicinal Plants extract on Hepato-cellular carcinoma in an animal model through various molecular, biochemical, and pharmacological parameters. Our research aims to identify potential therapeutic biomolecules for the management of hepatocellular carcinoma.

Research Guidance:

* **Supervisor:**

1. **Ms. Mir Nighat Farooq** (Ph.D. student), Title of the thesis “*Study of Correlation of viral load and epigenetic modification of genomic and HPV-DNA in pre-cancerous and cancer stages of cervical cancer.*”

2. **Ms. Nighat Gul** (Ph.D. Student): “*Synergistic effect of Some Medicinal Plants extracts on the progression of Hepato-cellular Carcinoma in Animal Model.*”
 3. **Ms. Nishat Afroz**: *Effect crude extract of Solanum nigrum and its active compound Solanine on the expression of HepG2 cells and TBP-2(Thioredoxin binding protein-2) and ASK-1(Apoptosis signal regulating Kinase 1) genes*
- * **Co-supervisor:**
 1. **Bilal Ahmad Mir**, Ph.D. student under the supervision of Prof. P.F. Rahaman, department of Zoology, Maulana Azad National Urdu University, Hyderabad.
 - * **Project Guide:**

Under-graduate students of B.Sc. Zoology (Hons) students.

Research Projects:

[A] Completed:

- * SERB-DST Young Scientist Project title “Genetic characterization of threatened catfishes (*Wallago attu* and *Mystus seenghala*) using RAPD markers”. Funding Agency: SERB-DST, New Delhi. Project implemented at Department of Zoology, AMU Aligarh. (1st Feb. 2012 to 31st Jan. 2015).
- * Minor Research Project under Research & Innovation Scheme (UGC). “*Molecular characterization and estimation of Genetic diversity of few economically important fish species based on sequence variations in Mitochondrial Cytochrome b gene.*” Funding Agency: UGC New Delhi. Project implemented at Department of Zoology, Maulana Azad National Urdu University, Hyderabad. (6th Dec. 2016 to 5th Dec.2017).

[B] Ongoing:

- * ICMR funded Project entitled “*Molecular Analysis of promising immunoregulatory pathway involved in Recurrent Pregnancy Loss (RPL)*”. Co-Principal investigator with Principle Investigator Dr. Parveen Jahan, Department of Zoology, School of Sciences, MANUU, and other Co-PI: Dr. Rajeshwari, Head, Department of Obstetrics & Gynecology, Niloufer Hospital, Hyderabad.

[C] Submitted:

- * SERB-EMR Project submitted to DST New Delhi, on the topic entitled “*To determine the viral load and threshold value of HPV oncoproteins E6 and E7 and cellular markers p53 and pRb in the progression of cervical cancer.*”

Academic/Official Responsibilities In MANUU:

- * Academic Coordinator, B.Sc. (Life Sciences), School of Sciences (27.11. 2020 to 29.10.2021)
- * Academic Coordinator, Ph.D. Zoology, School of Sciences, MANUU, Hyd. (27th Nov. 2020 to...)

- * Academic Coordinator, Department of Zoology, MANUU. (1st Jan.2019 to 26th Nov. 2020)
- * Department of Zoology Coordinator for Internal Quality Assurance Cell. (16th May 2018 to till now)
- * Subject Coordinator (Zoology), Directorate of Distance Education, MANUU.
- * Chief Examiner for conduct of evaluation of answer scripts of Zoology of UG/PG/Certificate/Diploma (Distance Mode) Programme. Sept-Oct. 2018.
- * Polling Officer Student Union Election MANUU (2015,16,17,18 & 19).
- * Member TA/DA Disbursal Committee of National Urdu Science Congress. 16-17 Feb. 2017
- * Chairman Accommodation & Hospitality Committee of National Urdu Science Congress- Feb.2018 & Feb 2019.

Student Related Co-Curricular Activities:

- * Co-opted Member of organizing committee for Annual Prize Distribution Function 2016-17. (30th March 2017)
- * Member Quiz Committee to organize Maulana Azad Day celebration (3-12 Nov.2017)
- * Member Quiz Committee to organize Maulana Azad Day celebration (5-15 Nov.2018)
- * Member Quiz Committee to organize Maulana Azad Day celebration (5-15 Nov.2019)

Academic / Official Duties Performed Outside Manuu:

- * Examiner Zoology B.Sc. I & II Sem. For academic session March/April 2017, Kakitya University.

Production of Teaching Material:

- * Recorded Video lecture series as resource person for the development of Course material for B.Sc. (Zoology) at Instructional Media Centre, MANUU.

Orientation Programme / Refresher Course:

1. **Orientation Course (Special Summer School)** organized by UGC-Human Resource Development Centre, AMU, Aligarh during the period *24th May 2016 to 13th June 2016* and obtained grade 'A'.
2. **Refresher Course in "Life Sciences"** organized by UGC-Human Resource Development Centre, Maulana Azad National Urdu University, Hyderabad. Obtained grade 'A'. *30th Nov. 2017 to 20th Dec. 2017.*
3. **Refresher Course in "Life Sciences"** organized by UGC-Human Resource Development Centre, Maulana Azad National Urdu University, Hyderabad. Obtained grade 'A'. *17th Sept. to 30th Oct. 2020.*
4. **One Week Faculty Development Programme on "E-Content Development and Online Pedagogy"** organized by UGC-HRDC, Maulana Azad National Urdu University. *25th Oct. to 30th Oct. 2021.*

Faculty Development Programmes:

1. **Orientation Programme on Open & Distance Learning Multimedia Programme Production**, organized by Instructional Media Centre, Maulana Azad National Urdu University, Hyderabad. 27th Feb. to 6th March, 2017.
2. **Short Term Course for Training Programme on Academic Leadership** organized by UGC-Human Resource Development Centre, AMU, Aligarh at Maulana Azad National Urdu University, Hyderabad. 1st May 2017 to 6th May, 2017,
3. **Workshop on Online teaching, Learning and Assessment with Open Educational Resources, Education Technology tools & MOOC Platform Programme Production**, organized by the Instructional Media Centre, Maulana Azad National Urdu University from 27th to 29th Nov. 2017.
4. **Faculty Development Programme on “Training of Trainers (ToT) for teachers”** organized by National Institute of Technical Teachers’ Training and Research (GOI, MHRD), Bhopla and Department of CS&IT, MANUU, Hyderabad. 11th to 15th Nov. 2019.
5. **Five Day Online Workshop on “Research Methodology”** organized by MANUU UGC- STRIDE Task Group 2020. 17th to 21st August, 2020.

Technical Expertise:

Quite well-versed in all the contemporary techniques of molecular biology such as;

- * Nucleic acid (DNA/RNA) & Protein isolation, purification and estimation.
- * Single Stranded Conformational Polymorphism (SSCP) for mutation screening.
- * Polymerase Chain Reaction (PCR) and Methylation Specific PCR.
- * Gel electrophoresis: PAGE and Agarose. Northern and Western blotting.
- * Restriction Fragment Length Polymorphism (RFLP).
- * Random Amplified Polymorphic DNA (RAPD).
- * Primer/Probe designing.
- * Immunohistochemistry (IHC) and Immuno diffusion Technique.

Membership of Professional Bodies:

- * Member of *Indian Association for Cancer Research*
- * Life member “*The Indian Science Congress Association*” Kolkata, India.
- * Editorial Board Member of Journal ‘*Oncology Clinics & Research*’.
- * Member and Subject expert *Board of Studies (BOS) in Zoology* for the Academic year 2018-19. Government City College, Hyderabad (Affiliated to Osmania University, Accredited with ‘A’ Grade by NAAC).

- * Member and Subject expert *Board of Studies (BOS) in Zoology* for the Academic year 2019-20 & 2020-21. Anwarul Uloom College, Hyderabad.
- * Member, Board of Studies, Department of Zoology, MANUU.
- * Member of Departmental Research Committee for Department of Zoology, MANUU. (from 12.8.2016 to till now)
- * Member Executive Council MANUUTA (2015-16, 2017-18).

Reviewer of the Journals / Funding Agency:

- * DST-SERB: Early Career Research Award Scheme
- * Cancer Biomarker
- * Micro-RNA
- * Journal of Advances in Medicine and Medical Research
- * Journal of Advances in Microbiology
- * Journal of Genetics and Cell Biology
- * Oncology & Clinics and Research
- * Bosnian Journal of Basic Medical Sciences
- * Gene

DNA Sequences Submitted At Genebank (NCBI):

- * **A novel frame shift mutation (K77R) in the HMG- box of the SRY gene** in a patient with pure gonadal dysgenesis and XY chromosomal constitution.
Gene Bank Accession Number: AY818360.
- * **Human diadenosine triphosphate (Ap3A) hydrolase (FHIT) gene**, exon 5 nucleotide sequence. Submitted (14-JUL-2006) Human Genetics Lab, Department of Biosciences, Jamia Millia Islamia (A Central University), Jamia Nagar, New Delhi, Delhi 110025, India.
Gene Bank Accession Numbers: DQ865131, DQ865132 , DQ865133, DQ865134
- * Partial sequences of **Cytochrome b gene** of mitochondrial origin from the four *Channa* species (fishes). Iqbal Parwez, **Arif Ahmad**, Arif Mustafa Kamal, Subuhi Abidi, **Phani Kumar**, Kausar Neyaz (2015).
BankIt 1876266: KU245349 to KU245353(05)
- * **Bar Coding Sequences of Cytochrome oxidase subunit I (COI) gene**, partial cds; mitochondrial gene form four *Channa* species. **Arif Ahmad**, Adeel Malik, Mustafa Arif Kamal, Subuhi Abidi, Iqbal Parwez (14th June 2016).
Gene Bank Accession Numbers: KX389274 to KX389281 (10)
- * **Bar Coding Sequences of cytochrome oxidase subunit I (COI) gene**, partial cds; mitochondrial gene form Seven fish species *Wallago attu*, *H. fossilis*, *Rita rita*, *Oreochromis niloticus*, *Clarias batracus*, *Clarias gariepinus* *Mystus seenghala*, species.

Imran, M., Ahmad, A., Malik, A., Rahaman, P.F., Shahid, M. and Parwez, I (12th March 2018).

Gene Bank Accession Numbers: MH047225 to MH047238 (14)

- * **Partial sequences of mitochondrial ‘Cytochrome b gene from catfishes** submitted to NCBI with Bankit No. MH047225-38. Imran, M., **Ahmad, A.**, Malik, A., Rahaman, P.F., Shahid, M. and Parwez, I (17th April 2018).

Gene Bank Accession Numbers: MH234609 to MH234632 (24)

Publications:

- 1) **Nighat Gull**, Arshad F, Gowhar A. Naikoo, Hassan IU, Pedram MZ, **Ahmad A**, Alaa A. A. Aljabali, Mishra V, Satija S, Charbe N, Negi P, Goyal R, Aroca SA, Mazhar S. Al Zoubi, Tanani ME, Tambuwala MM. Recent Advances in Anticancer Activity of Novel Plant Extracts and Compounds from *Curcuma longa* in Hepatocellular Carcinoma. **Journal of Gastrointestinal Cancer** <https://doi.org/10.1007/s12029-022-00809-z> (Accepted).
- 2) Akhter Ali Siddiqui, **Arif Ahmad** and Rizwana Begum (2021). A comparative study of antimicrobial effects of *Clitoris ternatea* and *Anacardium occidentale* leaf extracts against the selected microbes. **International Journal of Zoology and Applied Biosciences**. Volume 6, Issue 5, pp: xxx-xxx, 2021. ISSN: 2455-9571.(Accepted).
- 3) Bilal Ahmad Mir, P. F. Rahaman and **Arif Ahmad*** (23 July 2021) Review: Viral load and interaction of HPV oncoprotein E6 and E7 with host cellular markers in the progression of cervical cancer. **AIMS (Amer Inst Mathematical Sciences) Molecular Science**, 8(3): 184–192. ISSN: 2372-0301. DOI: 10.3934/molsci.2021014.
- 4) Monika Sharma, **Arif Ahmad**, Arti Sharma, Jamal Ahmad, Badaruddoza, Riaz Ahmad and Iqbal Parwez (**June 2021**). Genetic Association of a Polymorphic Variant (rs7903146) in TCF7L2 Gene by Allele-Specific Genotyping to Predict the Susceptibility of T2DM. **Journal of Scientific and Technical Research** 11 (1), 19-28. **ISSN Number:** 2278-3350. **Indexed:** EBSCO, i-scholar.
- 5) **Arif Ahmad**, Mohammad Raish, Mohammad Shahid, Swaraj Batra, Vineeta Batra, Syed Akhtar Husain (**4th July, 2017**). The synergic effect of HPV infection and epigenetic anomaly of the p16 gene in the development of cervical cancer. **Cancer Biomarkers**. Publisher: IOS Press. 19(4): 375–381. (Impact Factor: **2.85**) ISSN print: 15740153, ISSN online:18758592. doi: 10.3233/CBM-160060. Sr. No. in UGC listed Journals is 4954. (**Scopus:** Source record ID: 5200153018 "2020Cite Score = 6.1" ASJC: 1306; 1311; 2730; 2700)
- 6) **Arif Ahmad**, Mohammad Shahid, Mohammad Raish, Syed Akhtar Husain (**28th Feb. 2017**) Screening of Mutations/SNPs through Spectrophotometric Melt-Curve Analysis: A

preliminary study on non-electrophoretic and no-dye method of mutation detection. **Advanced Techniques in Biology & Medicine**. Publisher: OMICS International, 5.1. eISSN: 23791764. DOI: 10.4172/2379-1764.1000214.

- 7) Shahid M, Joshi S; Nasser RA, Alsaidan M, Aldossari K, Abuderman AWA, Aldowsar M, Al-Ghamdi S, Balto HA, Al-Hammad N, Agrawal S, Shah AH, **Ahmad A**, Dhillon VS (10th June 2017). Single Nucleotide Polymorphism (SNPs) in the Genes Associated with Tooth Agenesis. **European Journal of Experimental Biology**. Publisher: iMedPub, Vol.7 No.3:17. ISSN No: 22489215. doi: 10.21767/2248-9215.100017 (**IF: 1.91**)
- 8) Neelofar K, Ahmad J, **Ahmad A**, Alam K. (19th Dec. 2016). Study of IL4-590C/T and IL6-174G/C gene polymorphisms in type2 diabetic patients with chronic kidney disease in North Indian population. **Journal of Cellular Biochemistry**. Publisher: Wiley-Blackwell. Jul;118(7):1803-1809.(Impact Factor: **3.46**). ISSN: 0730-2312. Sr. No. in UGC listed Journals is 21802. (**Scopus** Source record ID: 17598 "2020Cite Score = 6.8" ASJC: 1307; 1312; 1303). DOI: 10.1002/jcb.25853. (Citations: 10).
- 9) Areeba Ahmad, Veena Maheshwari, **Arif Ahmad**, Rashid Saleem, Riaz Ahmad (2012). Observation of Esterase-Like-Albumin Activity during *N'*- Nitrosodimethyl amine Induced Hepatic Fibrosis in a Mammalian Model. **Macedonian Journal of Medical Sciences** (Continue as Open Access Macedonian Journal of Medical Sciences). Publisher; University of Ss Kiril and Metodij) 5(1):55-61.. ISSN: 18575749. e-ISSN: 18575773. Sr. No. in UGC listed Journals is 5671. DOI: 10.3889/MJMS.1857-5773.2012.0214. (IF: **1.27**). (**Scopus** Source record ID: 19600157021, 2020 Cite Score = 6.8" ASJC: 2700)
- 10) Raish M, Dhillon VS, **Ahmad A**, Ansari MA, Mudassar S, Shahid M, Batra V, Gupta P, Das BC, Shukla NK, Husain SA (2009). Promoter Hypermethylation in Tumor Suppressing Genes p16 and FHIT and their relationship with estrogen receptor and progesterone receptor status in breast cancer patients from Northern India. **Translational Oncology**, Publisher: ELSEVIER. December 1; 2(4): 264–270. ISSN: 1936-5233. DOI: 10.1593/tlo.09148 (Impact Factor: **3.48**).
- 11) Shahid M, Dhillon VS, Hussain Z, Masa JF, Aslam M, Raish M, Ahmad A, Khan NJ, Prasad S, Batra S, Pasha ST, Husain SA (2008). Analysis of the SRY gene in two sex-reversed XY sisters identifies two new novel point mutations in the high mobility group box domain. **Fertility and Sterility**, Publisher: American Society for Reproductive Medicine. 90(4):1199. (Impact Factor: **4.15**). ISSN: 00150282, e-ISSN 15565653. Sr. No. in UGC listed Journals is 29326. DOI: 10.1016/j.fertnstert.2007.11.062.

Edited Book:

- * Non-Chordates: Book in Urdu language for B.Sc. I- Semester Zoology. Printed by Directorate of Translation and Publication, MANUU, Hyderabad. (2021)

Book Chapters:

- * Haseeb A. Khan, Qasim Ullah, **Arif Ahmad**, Abdullah S. Alhomida, Salman H. Al Rokayan, Methods of Trace Amine Analysis in Mammalian Brain. In Trace Amines as a Risk Factor for Neurological Disorders: Potential Mechanisms and Risk Factors, **Oxford: Academic Press, Elsevier**, 2016, pp. 11 - 26. 1st Edition, eBook ISBN: 9780128036167, Hardcover ISBN: 9780128036037.
- * Non-Chordates: Chapters in Book in Urdu language for B.Sc. I- Semester Zoology. Printed by Directorate of Translation and Publication, MANUU, Hyderabad. (2021)

Papers Presented At Conferences:

1. **عارف احمد**، محمد آصف: آر اے پی ڈیٹکنیک کے ذریعے مچھلی کی اقسام (*Wallago attu*) اور (*Mystis singhala*) کی شناخت اخذ کرنا. نیشنل اردو سائنس کانگریس -2021۔ اسکول برائے سائنسی علوم۔ مولانا آزاد نیشنل اردو یونیورسٹی۔ حیدرآباد۔
2. بیلال احمد میر، **عارف احمد**، محمد آصف، پی ایفرحمان۔ سروانکلکینسر کے مختلف مراحل کی اسکریننگ اور خصوصیات کے لئے Western Blot تکنیک کے ذریعے p53 اور pRb پروٹین اظہار تجزیہ۔ نیشنل اردو سائنس کانگریس -2021۔ اسکول برائے سائنسی علوم۔ مولانا آزاد نیشنل اردو یونیورسٹی۔ حیدرآباد۔
3. نگہت فاروق میر، **عارف احمد**، وشنو پریا، محمد آصف، پی ایفرحمان۔ آر ٹی پی سی آر تکنیک کے ذریعے سرویکل پری کینسر اور کینسر کے مراحل کی اسکریننگ کے لیے پری ایچ پی وی کے وائرل لوڈیابومارکر کے طور پر تعین۔ نیشنل اردو سائنس کانگریس -2021۔ اسکول برائے سائنسی علوم۔ مولانا آزاد نیشنل اردو یونیورسٹی۔ حیدرآباد۔
4. سنبل رحمان، **عارف احمد** دیسی دواؤں کی معیار بندی: تعارف و موازنہ۔ نیشنل اردو سائنس کانگریس -2021۔ اسکول برائے سائنسی علوم۔ مولانا آزاد نیشنل اردو یونیورسٹی۔ حیدرآباد۔
5. **Arif Ahmad (2019)**. Cancer Vaccine: Future of Cancer Treatment [Abstract]. In: National Urdu Science Congress organized by School of Sciences and Centre for Promotion of Knowledge in Urdu at MANUU, Hyderabad. 28th Feb. to 1st March 2019.
6. Imran M, **Ahmad A**, Abidi S, Parwez I. (2017). *Genetic diversity and phylogenetic relationship in four Channid species based on sequence variations in mitochondrial cytochrome b gene*. [Abstract]. In: **International Conference** on “11th Indian Fisheries and Aquaculture Forum- Fostering Innovations in Fisheries and Aquaculture, Focus on Sustainability and Safety” organized by Asian fisheries Society, Indian Branch (AFSIB) and ICAR- Central Institute of Fisheries technology (ICAR-CIFT) at Cochin. 21-24 November, 2017. Abstract No. FR OR 46.
7. Iqbal Parwez, **Arif Ahmad**, M.A. Kamal & S. Abidi (2013). *Evaluation of Molecular Markers as tools for risk assessment of declining fish population and evolving possible conservation strategies*. [Abstract]. In: National conference on Status and conservation of Biodiversity in India with special reference to Himalaya. Oct. 4-5, 2013. CeCentre of Research for Development (CORD) & P.G. Deptt. of Environmental Science, University of Kashmir Srinagar, India. Abstract page No. 17-18.
8. **Arif Ahmad**, Rehman S, Latif A, Parwez I (2013). *Scope of DNA fingerprinting in Unani System of Medicine*. [Abstract]. In: National seminar on Scope of Emerging technologies in Unani Medicine. 23rd March, 2013. DRS-I (UGC). Department of Ilmul Advia, Faculty of Unani Medicine, AKTC Hospital, AMU Aligarh.

9. Rehman S, Kamal MA, **Arif Ahmad**, Latif A, Parwez I (2012). *RAPD-PCR for delineation of different species of bacterial strains*. [Abstract]. In: National seminar on Innovative trends in Unani Medicine. 3-4th March, 2012. Regional Research Institute of Unani Medicine, AKTC Hospital (New Block) AMU Aligarh and Central Council for Research in Unani Medicine, department of AYUSH, Ministry of Health & FW. Govt. of India.
10. **Arif Ahmad**, Rehman S, Kamal MA, Latif A, Parwez I (2012). *Frequency of different temperament (Mizaj) individuals in predominantly North Indian populations*. [Abstract]. In: National seminar on Innovative trends in Unani Medicine. 3-4th March, 2012. Regional Research Institute of Unani Medicine, AKTC Hospital (New Block) AMU Aligarh and Central Council for Research in Unani Medicine, department of AYUSH, Ministry of Health & FW. Govt. of India.
11. Abdul Latif, Iqbal Parwez, Sumbul Rehman and **Arif Ahmad** (2011). *A proposed study for genetic validation of Temperament (Mizaj)*. [Abstract]. In: National Seminar on Mizaj and its implication in Different disciplines of Tibb-e-Unani. 15-16th Oct. 2011. Ayurvedic and Unani Tibbia College & Hospital, Karolbagh, New Delhi.
12. **Ahmad A**, Husain SA, Batra S, Das BC. *Heteroduplex analysis of PCR products by Spectrophotometer: A novel method of Screening Mutations and Polymorphisms*. [Abstract]. In: International Symposium on Role of Genomics in Clinical Practice. & 35th Annual Conference of the Indian Society of Human Genetics (ISHG); 2010 March 6-8; Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India. ISHG; 2010. Abstract No. BS-12.
13. **Ahmad A**, Husain SA, Batra S, Das BC. *Assessment of expression and promoter methylation of p16 gene in HR-HPV infected squamous cell carcinoma (SCC) of the uterine cervix*. [Abstract]. In: International Symposium on Role of Genomics in Clinical Practice. & 35th Annual Conference of the Indian Society of Human Genetics (ISHG); 2010 March 6-8; Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India. ISHG; 2010.
14. Mohammad Shahid, Mohd. Aslam, V. S. Dhillion, Mohd. Raish, Nida J. Khan, Rahimunnisa Praveen, **Arif Ahmad**, and Syed Akhtar Husain. *Four new novel mutations in SRY (sex determining region) and WTI (Wilms tumor 1) genes in two sisters with sex reversal and gonadal tumor formation with 46, XY chromosomal constitution*. [Abstract]. In: **International Conference** on Molecular Diagnostics in Cancer Therapeutic Development. 2006 Sep 12-15; **Chicago, USA. American Association for Cancer Research (AACR); 2006**. Abstracts No. A-23.
15. Mohammad Raish, **Arif Ahmad**, Pawan Gupta, and Syed Akhtar Husain. *Evaluation of methylation and expression of FHIT (fragile histidine triad) gene in Indian female breast cancer patients*. [Abstract]. In: **International Conference** on Molecular Diagnostics in Cancer Therapeutic Development; 2006 Sep 12-15; **Chicago, USA. American Association for Cancer Research (AACR); 2006**. Abstracts No. A-92.

Training & Workshops Participated:

1. National workshop on **Soft-computing, Machine Learning and Bioinformatics Application**. Department of computer sciences, Jamia Millia Islamia, New Delhi-25. **Nov. 17-19, 2004.**
2. One week training programme in **Animal welfare** at National Institute of Animal Welfare, NIAW Campus, Ballabgarg, Haryana, India. **Aug. 7-11, 2006.**
3. International symposium & Workshop on **“The Control of Helminth Parasites with Emphasis on Liver Fluke” & “Liver Fluke: an RNAi Workshop”**. Department of Zoology, Aligarh Muslim University, Aligarh. **Feb. 11-12, 2013.**
4. Pre-conference workshop cum practical training programme on **“Proficiency in Advanced Instrumental Methods of Analysis”**. DRS-I (UGC), Department of Ilmul Advia, F/o. Unani Medicine, Aligarh Muslim University. **26th Nov. 2014.**
5. One day Workshop on **“Know your blood Group”** and Seminar lecture on topic **“Importance of Blood grouping in Blood donation”** on **22nd Sept. 2016** in the department of Zoology, **Maulana Azad National Urdu University**, Hyderabad.
6. Two days hands on Workshop on **“Tools and Techniques of Molecular Biology and Bioinformatics”**, Department of Zoology, Maulana Azad National Urdu University, Hyderabad. **6th to 7th Feb. 2018.**
7. One day Workshop on **“Practicals as a Tool for Teaching Sciences”** organized by Centre for Professional Development of Urdu Medium Teachers, Maulana Azad National Urdu University, Hyderabad. **24th Jan. 2020**

Conferences / Webinar/ Workshops Organized:

1. One day Workshop on **“Know your blood Group”** and Seminar lecture on topic **“Importance of Blood grouping in Blood donation”** organized by department of Zoology, Maulana Azad National Urdu University, Hyderabad, **22nd Sept. 2016.**
2. One day Seminar and Exhibition on **“Tuberculosis Awareness”** organized department of Zoology, Maulana Azad National Urdu University, Hyderabad, **24th March, 2017.**
3. Two days hands on Workshop on **“Tools and Techniques of Molecular Biology and Bioinformatics”** organized by Department of Zoology, Maulana Azad National Urdu University, Hyderabad, **6th to 7th Feb. 2018.**
4. One day Seminar on **Alzheimer’s disease Awareness** in the department of Zoology, Maulana Azad National Urdu University, Hyderabad, **20th September, 2018.**
5. One day Webinar on the eve of **“International Day of Immunology 2021”** sponsored by Indian Immunology Society, AIIMS, New Delhi, organized by School of Sciences (Zoology), Maulana Azad National Urdu University, Hyderabad. **29th April 2021.**
6. One day Webinar on **“Cancer: Where Prevention is cure”** the occasion of National Cancer Awareness Day **7th Nov.** organized by School of Sciences (Zoology), Maulana Azad National Urdu University, Hyderabad. **8th Nov. 2021.**

Session Chaired/Panel Discussion in Conferences:

1. National Urdu Science Congress organized by School of Sciences and Centre for Promotion of Knowledge in Urdu at MANUU, Hyderabad. Sixth Session on Biology, 28th Feb. 2018.
2. National Urdu Science Congress organized by School of Sciences and Centre for Promotion of Knowledge in Urdu at MANUU, Hyderabad. Sixth Session on Biology, 1st March 2019.
3. One day Webinar on the eve of “*International Day of Immunology 2021*” sponsored by Indian Immunology Society, AIIMS, New Delhi, organized by School of Sciences (Zoology), Maulana Azad National Urdu University, Hyderabad. 29th April 2021.

Conferences / Symposium Attended:

1. National Seminar on “**Intellectual Property Rights**” at Central Research Institute of Unani Medicine, organized by Central Council for Research in Unani Medicine, Ministry of AYUSH, Govt. of India, New Delhi. 30th August, 2018.
2. **Bio-Interaction-2018: National Seminar on Translational Applications**, Organized by Department of Biotechnology, Hyderabad Science Society, Hyderabad. 2nd & 3rd Feb. 2018.
3. Second National Seminar on “**Relevance of Modern Methods of Studies in Unani Medicine**”. DRS-I (UGC), Department of Ilmul Advia, F/o. Unani Medicine, Aligarh Muslim University. **27-28 Nov. 2014.**
4. **Malaria- An Update**. Department of Microbiology, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh. **Dec. 18, 2010.**
5. 24th Annual Convention of the Indian Association for Cancer Research (IACR) and an International Symposium on “**Human Papillomavirus and Cervical Cancer**” at Noida, India. **2005.**

Webinars:

1. UGC STRIDE Programme: “**Webinar presentation on Principles in Cell Signaling?**” Speaker; Dr. Murthy S. Karnam, Professor Department of Physiology and Biophysics, Virginia Commonwealth University, Richmond. VA 23298, USA. Organized by *Mizoram University, Aizawl, Mizoram, India* on **4, 11, 18 and 27 May, 2020.**
2. National Webinar on “**Applications of NGS in Mycobacterial diseases**” organized by Bionivid Technologies Pvt. Ltd. Bengaluru, Karnataka 560043 on **6th June 2020.**

3. Alumni Association of JNU (AAJ) “**Webinar Series @JNU on Global Research Perspective to Pandemic COVID-19**”, organized by *JNU, New Delhi* on **13th June 2020**.
4. National Webinar “**COVID-19: From Infection to Viral Pathogenesis**” organized by *Department of Botany, S.S. Khanna Girl’s PG College, Paryagraj, UP, India* on **14th June 2020**. Certificate ID: BBZVJ8-CE000448.
5. International Webinar on **COVID-19 pandemic** organized by Institute of Bioinformatics (IOB), Whitefield, Bangalore, India. **23rd to 25th June 2020**.
6. Webinar on “**Impact of Covid-19 Outbreak on Education, Health and Society**” organized by Department of Chemistry, School of Basic Sciences, Manipal University Jaipur on **July 21,2020**.
7. National Webinar on the occasion of **World Hepatitis Day** organized by All India Unani Tibbi Congress (AIUTC) Women’s Wing, New Delhi. **28th July, 2020**.
8. Webinar Series on “**Nucleic Acid Handling**” organized by Merck High-End Skill Development Centre, a CSIR-IMTech Initiative (Ministry of Science & Technology, Govt. of India) conducted in **June-July, 2020**.
9. Five Day Online Workshop on **Research Methodology** organized by UGC-STRIDE Task Group 2020, Maulana Azad National Urdu University, Hyderabad. **17th August to 21st August, 2020**.
10. International Conference on **Data Science in Biology (ICDSB) 2020 on Fundamentals of Biology, Foundations for Data Science, Imaging Informatics, Deep Learning Applications, and Medical Informatics** organized by Institute of Bioinformatics (IOB) Bangalore, India on **3rd to 8th Sept. 2020**.
11. UGC STRIDE workshop on **Molecular Phylogeny & Molecular Docking** organized by Mizoram University Aizawl, Mizoram Sponsored by UGC STRIDE COMPONENT I University Grants Commission Government of India New Delhi. **19th to 27th January, 2021**.
12. One-day Virtual Symposium on “**Biophysics (Biophysika-5)**” organized by Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi on **February 23rd 2021**.
13. Webinar on National Science Day 2021 organized by School of Sciences (Zoology), MANUU-Hyderabad, **28th Feb. 2021**.
14. One day Webinar on the eve of “**International Day of Immunology 2021**” sponsored by Indian Immunology Society, AIIMS, New Delhi, organized by School of Sciences (Zoology), Maulana Azad National Urdu University, Hyderabad. **29th April 2021**.
15. One Day International Webinar on “**Advances in Cancer Treatment: Focus on Immunotherapy**” organized by the Department of Biochemistry, Krishna University, Andhra Pradesh on **08th Sept. 2021**.

16. One Day National Webinar on "MANAV online module on "**How to Read Scientific Literature?**" organized by University of Kashmir, Jammu & Kashmir. **24th September 2021**. Certificate ID: 5P6IVW-CE000108.